

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP 2004/016795

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl' G02F 1/1368, G02F 1/1339 H01L 21/288

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl' G02F 1/1368, G02F 1/1339 500, H01L 21/288

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Japanese Utility Model Gazette 1922-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2005, Japanese Registered Utility Model Gazette 1994-2005, Japanese Gazette Containing the Utility Model 1996-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 2003-318133 A (SEIKO EPSON Co., Ltd.) 2003.11.07, claim 11,20, paragraph [0022], [0036], [0039] (Family None)	1-6 7-12
Y	JP 2003-315829 A (SEIKO EPSON Co., Ltd.) 2003.11.06, claim 15, paragraph [0074]-[0075], Fig.8 & US 2004005739 A	1-6

Further documents are listed in the continuation of Box C.

See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

01.02.2005

Date of mailing of the international search report

15.2.2005

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